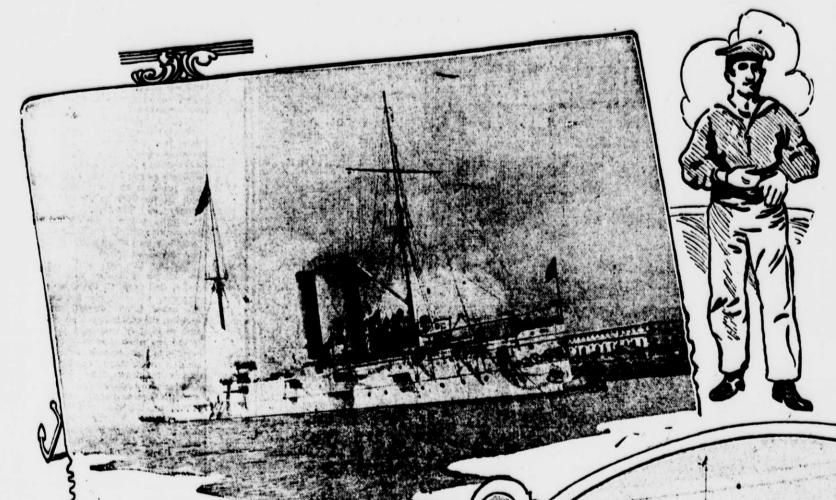
OLD WARSHIPS FOR SALE AT BARGAIN PRICES



Five Sold Recently-Historic Craft Thus Auctioned-Buyers and What They Do With Their Bargains The taxpayer may wonder how the selling prices of these condemned vessels 1907 Congress set the cost of repairs she will not make an imposing figure, compare with the contract or the purchase upon steel ships at a limit of 20 per cent. but in her time she was formidable, and

cost. The following figures will give a pretty fair idea of what the Government gets after warships have finished their wooden steam sloop of war Nipsic, which is surviving as she does to-day nearly a century from the time her keel was laid she typifies the changes that have been

Contract or
 Name.
 Price;

 Detroit
 \$612,500

 Bennington
 490,000

 Hornet
 117,500

 Winslow
 97,500

 Hist
 117,500

What the purchasers may have made out of the transactions is, of course, unknown to the public. The Detroit was first commissioned in 1893 and the Bennington was then two years in service. and in estimating the depreciation of these ships we must bear in mind the number of years of their usefulness on

is soon to be sold.

Other-Ships of the Navy to Be Disposed of Soon Besides the

The Nipsic was "repaired" at the navy navy, but did not balk at providing for upkeep and repairs. Accordingly the old cast iron hawse pipes of the original Nipsic were used as a basis around which

to construct a new craft. This stretching will be acceptable to the minor maritime of the term repairs led to the act of Congress of 1883 and put a stop to the long established practice of practically remaking some of the old ships of the service.

The striking of the Nipsic from the navy

passed the flagship Trenton, the American bluejackets cheered the Britishers on while the Trenton's band played them a godspeed. The Nipsic, aithough bat- tives in Europe, and the Stonewall, as tered and driven ashore, was again safely the ship became known, was watched by floated after the storm subsided. Such repairs as could be made on the spot were to port as she zigzagged her way across executed, and with a crippled screw and the Atlantic. Finally the Stonewall a jury rudder the Nipsic made her way reached Havana in May, 1865, and to put into better condition to continue her sion and turned over to the custody of journey on to San Francisco.

Century Old Independence.

has been stricken from the navy list with two sailing craft which became recently, and that is the steam frigate training ships for the Mikado's navy.

wrought in warfare upon the sea. Quite apart from the mere physical Purchase Selling yard in Washington from 1873 to 1878 deterioration of the steel fighting ship,
Price, and her repairing virtually constituted these vessels cease to be effective fighting her rebuilding. At that time Congress units by reason of rapid advances in the was indisposed to make substantial art of warfare. It is a maxim now that appropriations for any increase of the no man of war can be of any military value after a life of twenty years. Be-

cause of this limit many of the older ships the navy will soon be condemned for saie, and probably some of these craft

Sold to Other Nations.

This naturally suggests the questions What vessels has this country ever sold to foreign nations and what service have list means the disappearance of a ship those vessels done for their purchasers? It which was vividly in the minds of the might quite properly be said that we gave public twenty-three years ago. On March Japan her first armored man of war, and 15 and 16, 1889, the Nipsic, Trenton and in that transaction we got nearly half a Vandalia were at Apia, Samoa, in company million dollars. The Confederate States with the British ship Calliope and the purchased early in 1865 an ironclad ram German ships Adler, Olga and Eber then named the Sphinx and secretly con-when a tropical hurricane swept down structed by Messrs. Arman of Bordeaux, upon the harbor. The country was France, for the Confederate Government thrilled when the news reached the Her battery consisted of one 300 pounder United States that the Trenton and the and two 70 pounder Armstrong guns. To Vandalia had been wrecked and many avoid the international complications the lives had been lost, but there was a sense Sphinx was sold under certain conditions of deep pride over the manner in which to the Government of Denmark, and while officers and sailors alike had borne them- en route to that country she was taken into a Swedish port and nominally sold Alone of all the vessels there, the Cal- to a Swedish gentleman. She was subliope succeeded in making her way out sequently delivered to the Confederate of the harbor into the offing. As she agent and his officers in the open sea off the coast of France.

The transaction had not escaped the notice of the United States representa-Federal cruisers and followed from port Honolulu, where she was docked and escape capture was put out of commisthe Spanish Captain-General of the island. The Spanish authorities later delivered the Stonewall to the United States, and There is another wooden ship which in 1867 we sold the ship to Japan together

ment last week. Only five vessels were offered then, but there because some of the old craft which have ships to dispose of, and this state of af- cargoes fairs is an illustration of the manner in have developed since the beginning of

SHE CALLED THE

BLUFF . BRAZILIAN

the new navy in the early 'sos. One of the vessels bid upon at the recent sale has no architectural relation to the modern man of war. That is the old frigate Santce, built at Kittery, Me away back in 1855. There is probably no ship in the active fleet to-day which is more closely indentified with the educational years of naval officers than this

same old wooden craft. The Santee saw service during the civil war, but while on the Galveston blockade her crew suffered severely from scurvy and she was sent North to refit and to give her men a chance to recover. She ver returned to the front, but was despatched to the Naval Academy, where in time she became the barrack ship of the station. Every naval officer who as a midshipman or naval cadet suffered arrest or confinement for some infraction of the regulations of the academy had good reason to remember the old Boyish pranks of all sorts as well as graver violations of the rules commonly meant so many hours or days or weeks of confinement aboard the santee. The purchaser of the vessel could do a good business in souvenirs if he would have the old craft worked into mementoes of former academic days.

With the Santee the Navy Department put up at auction the Atlanta, the Yankee, the Yosemite and the little gunboat Alvarado, which was cap ured in Cuban waters during the war with Spain. The Yankee and Yosemite are converted merchantmen which were purchased for auxiliary service during that war. The sale of these ships awakens no special As there was no show of yielding on the interest The passing of the Atlanta is a part of the Brazilian officials the little different matter.

The Atlanta was one of the nucleus the new navy and her long active Brazilian batteries and the native men of career, compared with the service given ty later built, men of war, has reflected credi on her builder. John Roach of Chester, who laid the foundation of the answered with her own rapid fire guns. present navy and uffered financial ruin ecause of his courage and he thorlighness with which he did his work. September of 1 80 the quadron of evolution, popularly known as he white equadron, was organized. It consisted e flagship Chicago, the sister cruisers Atlanta and Boston and the then speedy gunboat Yorktown. It was under command of Rear Admiral John G. Walker.

White Squadron Dispersed.

The ships ass mbled in New York harbor and in a few moments the Winslow was and early in December sailed away to disabled Lieut. in adou was wounded Europe to show what America could and Ensign Wort' B. gley and three enproduce in the way of up to date ships of listed men were Filed, while two other Their cruise in European waters sailors were hurt. Those four deaths called forth a great deal of commendatory were the first lives lost in battle during criticism Now, twenty-three years later. substantially every one of those ships is passing out of the naval service.

Nearly two year, ago the Boston was naval service, proved useful vessels durstricken from the navy list, but was re- ing the naval operations in the West Indies stored some months later to do emporary in 1898. On June 30 the Hist and Hornet duty as a station ship at Puget Sound. efore following the rest of her memor- and infantry at the latter place. The has been condemned and will shortly be put under the hammer.

The only ship of he white squadron to go into battle was the Boston. She took an effective part in the battle of the 1st of May, 1898, when under Dewey's leader ship the Spanish naval lorces were destroved off Manila Commanded by Capt. Robiey D. Evans the Yorktown backed up our flag at Valparaiso when our relations Chile were decidedly strained, in 1891, because of the attack upon members of the crew of the cruiser Baltimore and our subsequent attitude toward the contranand steamer Itata. Perhaps the most effective service of the Yorktown was that performed under Fighting Bob in the Bering Sea while enforcing the modus vivendi concluded between this in that trying service Capt. Evans proved that he was as much of a diplomat as a

The last previous lot of condemned baval vessels that were sold included the cruiser Detroit, the gunboat Bennington.

THEY had a bargain sale of old the old sloop of war Iroquois, the conwarships at the Navy Depart- verted yachts Hornet and Siren and the torpedo boats Stiletto and Winslow.

REVOLUTIONISTS IN 1894

Farly in 1894 the insurrection in Brazil are many others that will have to be dis- had reached a crisis which seriously menposed of shortly. If you are of a patri- aced American and foreign merchant tie turn of mind, keep your eyes open shipping at Rio de Janeiro, and the North for the departmental advertisements, Atlantic Squadron was ordered south under Rear Admiral A E K Benham been stricken from the navy list and con- the time the ships reached Rio foreign demned for public auction are vessels merchant craft were tied up at the city's with historic records. Not since 1865 docks under the guns of the Brazilians and has the Navy Department had so many unable either to load or to discharge their

Admiral Benham requested the release which the sea defences of the United States of the American merc antmen, and failing to get a proper response set a time limit.

> IRON-CLAD RAM DUNDERBERG" BUILT 500 U.S. NAVY and sold to TRANCE IN 1866 ... THE NUCLEUS Detroit, commanded by Capt. Bronson, cleared for action and in the face of the war headed boldly for the wharves and the detained merchant craft The insur-There was no real fighting, the Detroit's action showed that Admiral Benham meant business and the Brazilians yielded Fought in Spanish War. The torpedo boat Winslow is memorable because of the part she played in the action off Cardenas, Cuba, on May 11, 1898. Commanded by Lieut. John B. Bernadou, she led the attack on some Spanish gunboats which had sought shelter within the harbor. Suddenly the enemy opened fire with precision from a shore battery

OLD STEAM FRIGAT WABASH" BUILT IN

RECEIVING SHIP "INDEPENDENCE" NAVY YARD, MARE ISLAND CAL ONLY US 74 GUN LINE OF BATTLE SHIP AFLOAT AT CLOSE OF WAR OF 1812, **

The converted yachts Hist and Hornet. both of which have now passed out of the destroying the enemy's gunboats. Once dition. while making a reconnaissance between Cape Cruz and Manzanillo, were engaged nillo. In a third assault upon Manzanillo, were engaged nillo assault upon Manzanillo, were engaged nillo assault upon Ma The Chicago is making a last shift of it Cape Cruz and Manzanillo, were engaged nillo. In this action the Hist and her Honolulu. The Stiletto was notable in modern steel construction. with the Massachusett Nava Militia with the enemy's vessels, field batteries consorts the Newark, Resolute, Suwanee her day as the first of the torpedo boats squadron mates. The York own Hornet was struck many times and had rado, which had previously been cap- and designed by the Herreshoffs of Bris- of the price of a new ship of similar size first ship of her class to display the Stars of the price of a new ship of similar size first ship of her class to display the Stars of the price of a new ship of similar size first ship of her class to display the Stars of the price of a new ship of similar size first ship of her class to display the Stars of the price of a new ship of similar size first ship of her class to display the Stars of the price of a new ship of similar size first ship of her class to display the Stars of the price of a new ship of similar size first ship of her class to display the Stars of the price of a new ship of similar size first ship of her class to display the Stars of the price of a new ship of similar size first ship of her class to display the Stars of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of similar size first ship of the price of a new ship of size first ship of the price of a new ship of size first ship of the price of a new ship of the price of a n

made another attack upon the Spanish United States authorities kept her from that now governs the condemning of forces at Manzanillo and succeeded in getting away on her filibustering expe- fighting craft is different from that which The Independence was the only ship of conclusion of hoselilities was lought

and Osceola—were assisted by the Alvaof the new navy. She was built of wood
repairs of wooden vessels to 20 per cent. launching. The Independence was the
a very few years ago. her main steam pipe cut, being thereby tured from the Spaniards. After her tol, R. I. Her speed of eighteen knots an and nine years later the limit was reduced and Stripes abroad. It is proposed to make

Again, on July 18, the Hist and Hornet by Honduran revolutionists, but the the active list of the navy. The rule used to prevail and this explains why the line that was affoat during the War of conclusion of hostilities was bought

sale to a bidder in New Orleans nearly hour was deemed remarkable at the to 10 per cent., an exception being in the two years ago the Hornet was purchased time of her construction.

Side

Wabash, which has served as a receiving put under the hammer.

But the most interesting of the old active service. wooden ships which have recently been put out of commission is the Independence. Mare Island navy yard for more than 1865. The ship was built here in New half a century. The Independence was York by the Neptune Steamship Comwhich has been the receiving ship at the built in Boston and launched in 1814 and pany in 1863, and for years afterward on July 3, 1815, sailed away from Boston | the Galatea was for the Mediterranean as the flagship | Haytian navy. of Commodore Bainbridge. At that time the Independence was a seventy-four gun ship of the line, had a displacement of 2,257 tons, old measurement, represented a total cost of \$421,810. Later

America of seventy-four guns, which was

At the close of the civil war we had two ship at the navy yard in Boston for a good single turreted monitors just completed many years. The Wabash was built in Cincinnati, vessels of a trifle less than at the old navy yard in Philadelphia 1,100 tons, which were known as the in 1855 and was put in commission early Catawba and the Oneota. Each of these in 1861. She did good service during the vessels represented a cost of \$620,000, and civil war and in her day was considered these were profitably disposed of to one of the very finest ships of her class Peru. They served the very useful pur-in the world. The Wabash will soon be pose of keeping Chile at arm's length more than once during their years of

Another vessel, the Galatea, of 1,244 tons, carrying eleven guns, was sold to the Haytian Government in August, the Galatea was the principal craft of the

During the civil war Admiral Lee had attached to the James River flotilla the ironclad Onondaga, really a double turand reted monitor of 1,250 tons. The Onondaga was virtually the pioneer of the all big gun dreadnought of to-day. She back by her builder, George W. Quintard of New York, for that sum. He sold the vessel in 1886 to the French Government In 1883 Congress limited the cost of given to the French nation before her and the ship, still named Onondaga, was

a very few years ago.
At the time the Onondaga was sold we had building at the shipyard of W. H. Webb of this city the ironclad ram frigate Dunderberg, a vessel of 5,000 tone, armed with four 15 inch and twelve 11 inch guns. The ship was a remarkable craft in every particular and reflected in many ways the genius of her designer. The Dunderberg was renamed Rochambeau by the French

navy which have disappeared from the active list and been sold have completely many instances they have proved more

WONDERFUL THINGS WHICH MODERN RESEARCH METHODS HAVE DISCOVERED ABOUT MOLECULES By DR. LEONARD KEENE HIRSH- a million miles a second. Its kinetic piston at the bottom. This was sud- trons had passed the drops were bigger, negative hydrogen electrons is equal

BERG

totally disabled. She was towed out of

the Spanish-American war.

danger by the Wompatuck

search methods will begin to be appre-

In fifteen grains of air there are molecules to the number of 2.7x10 raised to 100,000,000 years ago you would not yet have reached enough of them to de-

tect chemically. One alpha particle of radium travels

cules as they strike a screen composed alpha rays were marked by radial lines of willemite. These flashes have been consisting of minute beads. counted by Gelger and photographed A Roentgen ray made a hit molecule

ent in the atmosphere. Wilson used a large flat dish with a through which the particles and elec-

The eye can see the effects of mole- had taken place. The tracks of several

or X-rays. At the end of each track

The existence of molecules, hitherto a matter of theory and reasoning, has at last been actually proved. When the is more energy than the eye receives at last been actually proved. When the is more energy than the eye receives at last been actually proved. When the is more energy than the eye receives at last been actually proved. When the is more energy than the eye receives at last been actually proved. When the is more energy than the eye receives at last been actually proved. When the is more energy than the eye receives at last been actually proved. When the is more energy than the eye receives at last been actually proved. When the is more energy than the eye receives at last been actually proved. When the is more energy than the eye receives at last been actually proved. When the is more energy than the eye receives the same as Roentgen or twelve miles an hour. But by applying of a bullet, leaving it, however, intact. Service, but for years she was considered to cool the atmospheric the rate of a fairly fast trolley car, or shoots through a solid with the rorce twelve miles an hour. But by applying of a bullet, leaving it, however, intact. Service, but for years she was considered to cool the atmospheric twelve miles an hour. But by applying of a bullet, leaving it, however, intact. Service, but for years she was considered to cool the atmospheric twelve miles an hour. But by applying of a bullet, leaving it, however, intact. Service, but for years she was considered to cool the atmospheric twelve miles an hour. But by applying of a bullet, leaving it, however, intact. Service, but for years she was considered to cool the atmospheric twelve miles an hour. But by applying of a bullet, leaving it, however, intact. Service, but for years she was considered to cool the atmospheric twelve miles and hour. But by applying of a bullet, leaving it will be a bullet, leavi molecules will make a screen fluores- screen beyond. cent wherever they strike it.

In a way as yet unexplained these This experiment may be carried out electrons cause chemical decomposition lost their identity as naval craft. In in various ways. When made with the of the alkaline saits. Chloride of

strongly deflected particles of hydro-gen, carbon and oxygen. already been put to commercial use for the final exhaustion of electric lamp

by C. T. R. Wilson as they shoot shoot off negative particles, which, hitthe nineteenth power. If you had through the air. The track, as the air ting other molecules, produced numernegatively charged cathode rays the lithium is turned violet, rock salt bestarted to count one molecule a second molecules are shattered, is left electri- ous other ions. These lons or electrons molecules are shattered, is left electrious other ions. These ions or electrons spectrum shows air atoms and mole-comes as blue as a sapphire, and phoscally charged. These form condensa-were thus caused by breaking up of the cules of nitrogen and oxygen, with phorus becomes red. This property has tion nuclei for the watery vapor pres- molecules, not primarily from the alpha

The moving or kinetic energy of these

profitable to their purchasers when prontable to their purchasers when broken up for the sake of their copper bolts and other metals and as material for oak furniture or firewood. Where the hulls have been sound enough for further duty affoat some of these ships have been turned into coal barges.